

## PLDN UX Linked Data Challenge – Museum Collection Challenge

### Specific challenge introduction

#### Rijksmuseum Twente (RMT) - Digital Museum

Walking around digitally through an art collection, view online exhibitions and instantly see information from other available online resources like Wikipedia, RKD Artists and from the Cultural Heritage Thesaurus. That is a dream that will become reality for the Rijksmuseum Twente in the foreseeable future. Working in collaboration with Picturae, RMT is currently developing a new website, where their collection will be the first museum collection in the Netherlands that is fully interwoven into the Linked Open Data Cloud and other sources of knowledge closed. A digital museum, 24-hour accessible to everyone.

### Available data sets and additional data sources

- Data Rijksmuseum Twente (RDF) (Dropbox or USB)
- Nederlands Instituut voor Kunstgeschiedenis (RKD)
  - <https://rkd.nl/nl/explore>
  - Example: <https://rkd.nl/nl/explore/artists/record?query=monet&start=1>
  - <https://api.rkd.nl/api>
- <http://www.den.nl/pagina/511/netwerk-digitaal-erfgoed/>
- <http://hackalod.com/index.php/hackalod-2016/data/>
- <http://hackalod.com/index.php/hackalod-2016/data/erfgoedthesaurus-rce/>
- GeoNames
- OSM RDF dataset  
on <http://linkedgeodata.org/> ; <http://downloads.linkedgeodata.org/releases/2015-11-02/>
- DBPedia
- Linked Data sources at <https://datahub.io/>

### Possible questions that can be made to the data

Imagine, you are writing a report on the Rocky Coast painting by Claude Monet from the collection of RMT. Or you are looking for information about a portrait of an ancestor. In addition to the museum's information about the painting from the collection and a good quality image, you can also find biographical information about the artist with links to external information sources that provide you with further insights about the painting of your choice. And you can also see the latest news about this painting, the artist or similar paintings and art via Google News.

### Links with thematic information

A carousel with images showing similar art objects of other artists within a theme you are interested in or other art by the same artist, see for example:



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<http://collectie.rijksmuseumtwenthe.nl/page/aggregation/museum-collectie/0992>

At present, only objects within the collection of RMT are shown and this should be extended to similar works from collections outside RMT. Other carousels may view current peers and contemporaries, inside and outside RMT.

#### Links with geographic information

It is also interesting to know where the artist has lived and worked and which locations are depicted in paintings and photographs.

The possibilities will be endless with the new collection site of RMT.

However, the uniqueness of this system is that there will be room for the human touch. This makes it possible for employees and volunteers of the museum is to make links from the objects with less obvious sources. So we combine automation with mapping and editorial freedom!

#### **Possible approaches and tools**

The data supplied by RMT is available in RDF format on request and is only allowed to use within the challenge context of November 3. To implement the possible links that are described in the previous paragraph, visualization tools can be used as YAGUI, Linked Data Theatre, SPEX, etc. The overall challenge aim is to make a useful and attractive application for a wide range of users.

The challenge result must be presented the same day during a pitch of 10 minutes. The pitch will also be video recorded live.

#### **Contact information**

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For this specific challenge (Rijksmuseum Twenthe (RMT) - Digital Museum)

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